

BD 2/4024/15 (P. VII)
 f(16) - A

RTTV Summary Sheet

Address: 23 Pine Street And 87 Oak Street Tai Kok Tsui, Kowloon (Kowloon Inland Lot No. 11251) Site A		BD Ref. No. BD2/4024/15
Building Type:	Residential	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers	
	<input type="checkbox"/> 2. Architect	
	<input type="checkbox"/> 3. Others, please specify :	
No. of Storeys (Residential Units)	23	

Table 1

Deemed to Satisfy RTTV _{Wall}								
Facade Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio								
Shading Coefficient of Glazing								
Average Shading Coefficient of Facade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

Table 2

RTTV _{Wall}																	
Facade Orientation Facing		EAST				WEST				NORTH				SOUTH			
Wall Orientation Factor		1.072				1.131				0.79				0.975			
Total External Wall Area (Residential Units)		988.10 m ²		Window to Wall Ratio = 0.24		1800.4 m ²		Window to Wall Ratio = 0.55		1064.57 m ²		Window to Wall Ratio = 0.40		857.16 m ²		Window to Wall Ratio = 0.43	
Total Window Area		235.89 m ²				982.69 m ²				426.45 m ²				371.15 m ²			
Heat Conduction	Opaque Wall	4.80 W/m ²				3.84 W/m ²				3.1 W/m ²				3.54 W/m ²			
	Window	0.43 W/m ²				1.17 W/m ²				0.50 W/m ²				0.88 W/m ²			
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %	
		<input checked="" type="checkbox"/> Tinted	Area= 59.61 m ²	SC= 0.71	VLT= 57 %	ER= 6 %	<input checked="" type="checkbox"/> Tinted	Area= 334.53 m ²	SC= 0.71	VLT= 57 %	ER= 6 %	<input checked="" type="checkbox"/> Tinted	Area= 85.39 m ²	SC= 0.71	VLT= 57 %	ER= 6 %	
		<input checked="" type="checkbox"/> Clear	Area= 176.28 m ²	SC= 0.4	VLT= 53 %	ER= 10 %	<input checked="" type="checkbox"/> Clear	Area= 648.16 m ²	SC= 0.4	VLT= 53 %	ER= 10 %	<input checked="" type="checkbox"/> Clear	Area= 341.06 m ²	SC= 0.4	VLT= 53 %	ER= 10 %	
Double Glazing		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
External Shading		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Solar Radiation through Glazing		4.62 W/m ²				10.74 W/m ²				5.96 W/m ²				7.06 W/m ²			
Average Absorptivity		0.65				0.61				0.65				0.64			
RTTV _{Wall} at each facade		9.85 W/m ²				15.75 W/m ²				9.56 W/m ²				11.49 W/m ²			
Overall RTTV _{Wall}		12.17 W/m ²															

Table 3

RTTV _{Roof}											
Roof Orientation Factor		2.16									
Total Roof Area (Residential Units)		98.75 m ²									
Total Skylight Area		0 m ²									
Heat Conduction	Roof	3.24 W/m ²									
	Skylight	0 W/m ²									
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %	<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %					
Double Glazing		<input type="checkbox"/> Yes <input type="checkbox"/> No									
External Shading		<input type="checkbox"/> Yes <input type="checkbox"/> No									
Solar Radiation through Glazing		0 W/m ²									
Average Absorptivity (roof)		0.65									
Overall RTTV _{Roof}		3.24 W/m ²									

ER = External Reflectance; SC = Shading Coefficient & VLT = Visible Light Transmittance

Notes :

- Please tick in the box as appropriate
- Window and skylight data should represent the major proportion of its use in the development.